INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG03/00223

А.	CLASSIFICATION OF SUBJECT MATTER	₹ .						
Int. Cl. 7;	H01L 21/4763, 21/285, 23/36, 23/367, 23/373, 31/024, 31/052, 31/18, H01S 5/024							
According to	International Patent Classification (IPC) or to bo	th national classification and IPC						
В.	FIELDS SEARCHED							
Minimum docu	mentation searched (classification system followed by	classification symbols)						
Documentation	searched other than minimum documentation to the	extent that such documents are included in the fields searched						
file dwpi: lin gaas or inp o spread+ or co	nit /ic h011-021 or h011-023 or h011-031 or l or si, epitax+ or epilayer?, copper or cu, adho onduct+ or dissipat+ or remov+), laser or le	of data base and, where practicable, search terms used) n011-033 or h0 1s-005, gan or (gallium (w) nitride) esion (w) layer, seed (w) layer, (heat or thermal+) d? or (light (w) emitting), ohmic (w) contact, activ f, (host or temporary or remov+) (2d) substrate	(s) (sink+ or					
C.	DOCUMENTS CONSIDERED TO BE RELEVAN	σ	**************************************					
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.					
A	US 6562648 B1 (WONG et al.) 13 May 2 Column 4, lines 3-17; figures 1a-1g							
A	US 2003/0064535 A1 (KUB et al.) 3 April 2003 Page 2, paragraphs [0032]–[0035]; figures 1(a)–1(d)							
A	US 6448102 B1 (KNEISSL et al.) 10 Sept Column 2, lines 5-38; figures 11a-11f	ember 2002						
X F	urther documents are listed in the continuati	on of Box C X See patent family annex						
"A" documer which is relevance "E" earlier a after the	pplication or patent but published on or "X" international filing date	later document published after the international filing date or and not in conflict with the application but cited to understar or theory underlying the invention document of particular relevance; the claimed invention came considered novel or cannot be considered to involve an invention the document is taken alone	nd the principle not be entive step					
claim(s) or which is cited to establish the publication date of another citation or other special with		document of particular relevance; the claimed invention cans considered to involve an inventive step when the document i with one or more other such documents, such combination b	s combined					
"O" document exhibition	as specified) nt referring to an oral disclosure, use, "&" on or other means	a person skilled in the art document member of the same patent family						
	nt published prior to the international filing later than the priority date claimed		·					
	al completion of the international search	Date of mailing of the international search report	€¢.2003					
2 December 2003 Name and mailing address of the ISA/AU Authorized officer								
AUSTRALIAN	ng address of the ISA/AU PATENT OFFICE VODEN ACT 2606, AUSTRALIA	RAJEEV DESHMUKH						
B-mail address: pct@ipaustralia.gov.au		Telephone No : (02) 6283 2145						

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG03/00223

C (Continuat	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	US 6210479 B1 (BOJARCZUK et al.) 3 April 2001	
A	Column 3, line 18-column 4, line52; figures 1-6	
	EP 1326290 A2 (XEROX CORPORATION) 9 July 2003	·
A	Abstract; figure 2	
Е, А	US 6627921 B2 (WONG et al.) 30 September 2003 Column 4, lines 10-23; figures 1a-1g	
		,
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG03/00223

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member						
US	6562648	JР	2002076523	US	2003122141	•		
US	2003064535		-					
US	6448102	JР	2000196197	US	6365429			
UŠ	6210479	JР	10270712	JР	2000252224	ЛР	2002198539	
		US	5946551	US	5981970	US	6344660	
	•	US	6344662	•	•			
EP	1326290	CA	2414325	ЛР	2003234542	US	6455340.	
US	6627921	JР	2002076523	US	6562648 .	US	2003122141	
		•					END OF ANNEX	